



3D-FTP User Manual

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3D-FTP

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Part I

3D-FTP Overview



1 3D-FTP Overview

1.1 Introduction to 3D-FTP

3D-FTP is an FTP Client software application (FTP = File Transfer Protocol) used to transfer files between your computer and FTP Servers. FTP is commonly used for various file transfer tasks, and 3D-FTP is the perfect solution for:

- Publishing web sites
- Uploading web page HTML and picture files to the web server
- Editing files directly on the remote server
- Uploading images to auction sites such as eBay
- Downloading game demos and mp3 music files
- Downloading free programs and DVD iso images
- Performing remote server backups
- Downloading log files

Accelerated File Transfers

The 3D-FTP uses the **MultiWire™** *multi-threaded transfer engine* to take full advantage of broadband Internet connections. This means that 3D-FTP automatically makes multiple, simultaneous connections to the FTP Server to speed up file transfers. 3D-FTP also allows you to transfer files in the background, while continuing work with other file management tasks.

Automatic Resume in Case of Transfer Failure

If the file transfer is interrupted for any reason, 3D-FTP resumes the transfer in exact point of failure. So if internet connection fails in middle of the transfer, you do not need to start all over, but 3D-FTP automatically continues from point of interruption.

Features at a Glance

- Multithreaded transfers
- Background transfers
- Folder synchronization
- Bookmarks
- Recurring scheduling
- Custom commands with macros
- Autoresume and Autoreconnect
- Session and Transfer logging
- Remote editor
- Site Manager with Import
- Folder total size with Tree view
- Print directory listings
- Selectable Themes to customize looks
- Automatic Compression with MODE Z
- Unlimited file size support for files over 4GB+
- Full Windows Vista™ support

1.2 Awards

3D-FTP has won numerous awards from these highly popular internet sites:

TUCOWS: Head of the Herd-award

"The TUCOWS review staff is proud to present SiteDesigner Technologies' 3D-FTP with the **Head of the Herd-award**." SiteDesigner Technologies, Inc. is very proud to receive this honor from TUCOWS - the biggest Internet-related, software download site in the world. Thank You!

CWSApps: Cool App of the Week Winner

3D-FTP is CWSApps Cool App of the Week Winner! "The apps featured on this [Cool App of the Week] page are either outstanding representatives of their class or are unique, 'break-through' clients that you can expect to shape the way we make use of and benefit from this wild, extraordinary thing that is The Internet."

More:

Download.com: "Exclusive, Pick, Popular"

TUCOWS: Weeks TOP 10 Picks (the Best of the Best-list)

CoolTool.com: "Powerful, Flexible, Looks Fantastic"

BetaBites.com: "An Awesome FTP Client"

ZDNet Editors' Pick, The Best * * * * * stars, 3D-FTP is featured on ZDNet LaunchPad

TUCOWS: The Best 5/5 Cows (1000+ mirror sites)

DaveCentral.com: What's Hot TOP #1

SlaughterHouse.com: Pick of the Day

RocketDownload.com: :) :) :) "Visual Treat"

ZDNet.com: Weekly TOP 10 downloads #6

SoftSeek.com: TOP 3 downloads

Download.com: Selected Internet Apps TOP 6

FileDudes.com: The Best 5/5 dudes

5Star-Shareware.com: * * * * * "A truly excellent FTP Client and our personal favorite"

FileTransit.com: The Best * * * * * stars

WebAttack.com: CoolTool! Award

PcWorld.com: The Editors' Pick

1.3 What Is FTP?

FTP - Technical Background

FTP is the acronym for File Transfer Protocol. FTP, one of the Internet protocol standards, is a simple and powerful way to exchange files between computers on the Internet. The FTP connection requires two parties: the Client and the Server. 3D-FTP is an FTP Client application that makes a connection to the FTP Server, which authenticates the connection request and shows a list of files that reside on the server. In addition to the FTP Client, users must be able to connect to the Internet (via a modem, cable modem, ADSL connection or local area network) to establish a connection. The Client's access rights determine what the Client can do on the server. For public FTP Servers, the Client is normally allowed to view a list of files and to download files. For private FTP Servers (like those used to maintain the web Server pages), the Client can list, download, upload and delete files and create and modify folders.

An FTP Client-Server session consists of two connections:

- Control connection: this stays open for the duration of the session. All FTP Commands are sent via control connection. Normally occurs to port 21 on the server.
- Data connection: this opens and closes on each data download, upload and directory listing request.

The FTP Server runs on the computer that is permanently connected to the Internet. It waits for the connection requests to port 21 from the FTP Client. When an FTP Client requests connection, the FTP Server authenticates the Client by requesting it to send the username and password. If these are valid, the Server allows the Client to send extra commands, such as *request a file listing* or *download a file*.

The FTP Server normally grants access only to a limited set of files and directories on the server, so the user might get the error message *Permission Denied* when trying to upload a file or change a directory. These permissions are granted and controlled by the FTP Server administrator.

1.4 Automated folder sync solutions

We offer reliable, secure and fast solutions for automating file transfer, synchronization, mirroring, replication and backups over FTP, FTPS, and SFTP connections. Our sync product line consists of four different software packages that are all based on same robust MultiWire™ multithreaded transfer engine as 3D-FTP.

BatchSync FTP

BatchSync is a reliable and high speed solution for automating file synchronization, backups, mirroring, and replication over FTP. BatchSync is designed to be run scheduled and unattended at the server, with extensive logging options and email notifications to help with remote monitoring.

Features:

- Folder sync between local/network and FTP server folders
- One-way file synchronization
- One-way file replication
- One-way file move (transfer & delete)
- Two-way file synchronization (bi-directional)
- SyncDB™ smart change tracking
- Task Editor for task editing & Sync preview
- Command line software for batch files
- Run scheduled/On demand
- Run as a service
- Multithreaded transfers
- Automatic reconnects, retries, and resumes
- Include/Exclude filtering by name, size, date, attributes
- Use regular expressions in filters
- Email notifications
- Extensive logging with auto-rotate schemes
- Windows Vista™ compatible

Read more at <http://sitedesigner.com/batchsync.htm>

BatchSync Secure FTPS/SFTP

BatchSync Secure FTPS/SFTP adds security features to BatchSync FTP by supporting connections to FTPS and SFTP servers.

Additional features:

- Folder sync between local/network and FTP, FTPS and SFTP server folders
- Secure - Full support for FTP over SSL/TSL and full support for SFTP over SSH
- FIPS 140-2 certified components
- SSH public key authentication

Read more at http://sitedesigner.com/batchsync_secure.htm

Compare our folder sync solutions

Visit our product comparison page at <http://sitedesigner.com/products.htm>

Part II

Installation and System
Requirements



2 Installation and System Requirements

2.1 Installation

- Download the *3dftp.zip* file and unzip it to the temporary folder. This zip file contains a setup wizard in an executable file called *3D-FTP.Setup.exe*
- Run the setup wizard executable to start the installer program. The installer will configure 3D-FTP to run on your computer.
- Follow the instructions on the screen to complete the installation.
- After the installation is complete, you will find the 3D-FTP-item in the Windows Start menu at the *Start > Programs > 3D-FTP* sub-menu.

2.2 Uninstallation

Activate the Control Panel, double-click Add/Remove Programs, and double-click the 3D-FTP entry in the list of programs.

2.3 System Requirements

- Windows Vista, XP, 2000, Server 2003, Server 2008, NT4, Millenium Edition (ME) or 98
- Internet connection

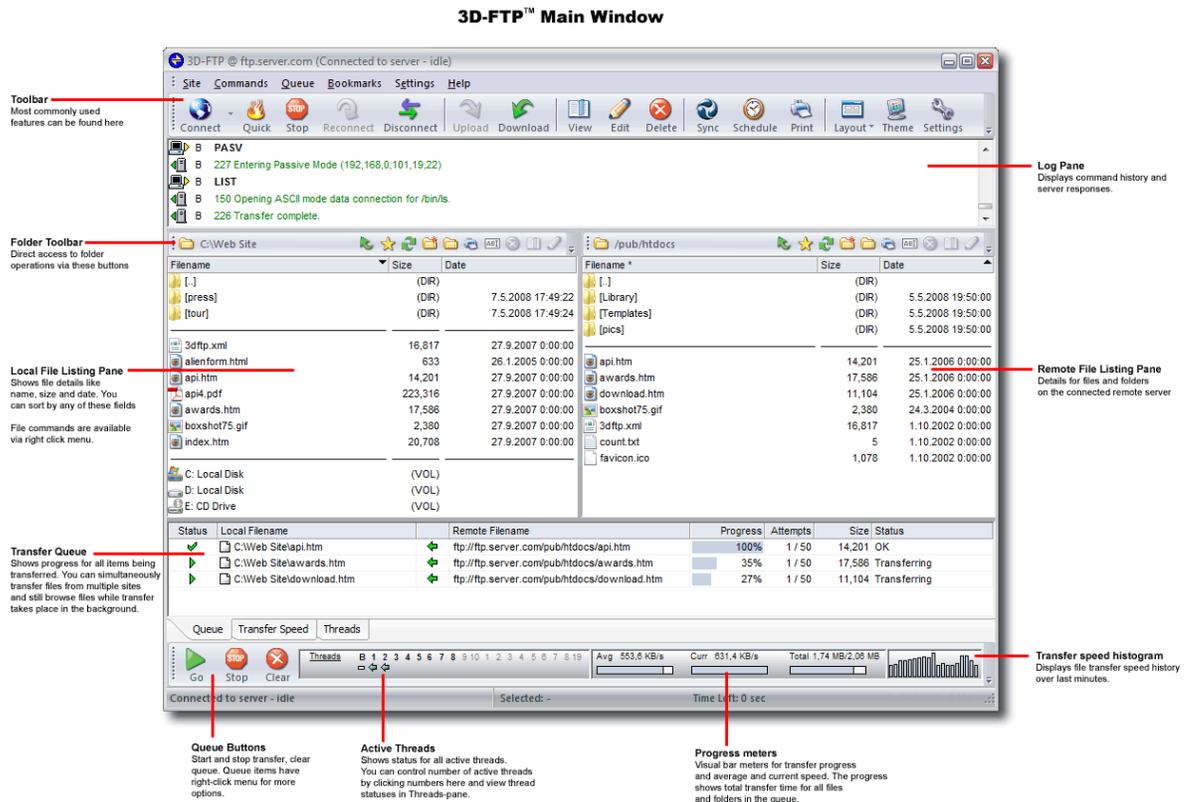
Part III

Getting Started



3 Getting Started

3.1 3D-FTP Main screen



3.2 Making your first connection

This example shows you how to make a connection to an FTP site with the *Quick Connect* feature:

1. Click the *Quick* button on the toolbar
2. Enter *ftp.kernel.org* to the Host address field
3. Click the *Connect* button, and you will see the *Connecting...* window appear
4. You are connected!

The remote server files and folders appear in file list pane on the right.

3.3 Transferring files

To download files (transfer files from a remote server to a local computer):

1. Connect to *ftp.kernel.org* site as shown in [previous chapter](#)
2. Select the *welcome.msg* file in the remote file list
3. Click the *Download* button on the toolbar
4. After a while, the *welcome.msg* file is downloaded and appears in the local file list pane on the left

3.4 Connect to an FTP Site with Site Manager

The Site Manager is a storage location for FTP Server information, where you enter the server login parameters once, for later reuse. For example: If you have a web server at a web hosting company and you need to upload some files to it, the web hosting company will give you three essential pieces of information:

1. Host address: ftp.server.com
2. Username: joe_smith
3. Password: xyz123abc

You need this information to make a connection the server and to upload files. **NOTE:** You cannot make a connection using this sample data; you will need to get your own connection parameters from the web hosting company.

Create a New Site with Site Manager

1. Click the *Connect* button on the toolbar to open the *Site Manager* window
2. Click the *New* button.
3. Enter *My Web Server* to the Site Name field. (This is free-form label for the new site.)
4. Enter *ftp.server.com* to the *Host Address* field
5. Deselect the *Log in as Anonymous User* check box (to make it inactive)
6. Enter *joe_smith* to the *Username* field
7. Enter *xyz123abc* to the *Password* field
8. Click the *OK* button to save the new site

Now you can see the new site entry *My Web Server* in the tree view. The list of sites is automatically saved for later use.

Connect to the Site

1. Select the *My Web Server* site name in the tree view
2. Click the *Connect* button, or, as a short-cut, double-click the site name with your mouse
3. The remote files appear in the right-hand file listing pane; and you are now connected

Upload a file

Change to remote server folder where you want file to be uploaded

1. Change the remote folder by double-clicking folder names until you are in the proper destination folder
2. For this example, we will change to the */htdocs* folder

Locate and select file to upload on the local computer

1. Change the local folder by double-clicking the folder names on the left until you find the file you want to upload
2. For this example, we will change to the *C:\WebSite* folder
3. Select the file you want to upload. For this example, we will select the *index.html* local file

Upload the file

1. Use your mouse to drag'n drop the *index.html* file from the local file pane to the remote file pane (from left to right)
2. Your local file is uploaded to the remote folder. After the transfer is completed, the file appears in the remote file pane

3.5 Instant connection

After you have connected to a site, this site is added to the *Most Recently Used* site list. To make a connection to one of these sites:

1. *Right click* over the empty remote file pane
2. A pop-up menu will appear with the list of *Most Recently Used* sites
3. Select one of the sites in the menu and you are instantly connected to it

This is very quick and easy. You can also access the *Most Recently Used* site list this way:

1. Select one of the sites in the *Site* menu, or
2. Click the *down arrow* next to the *Connect* button on the toolbar

3.6 FAQ

Q: When I order 3D-FTP, where can I download the full version?

A: There is no separate downloadable version for registered users, but you convert the downloadable evaluation version to full version by entering the unlock key (that you received via email at purchase) to the Start up screen. You can also enter the code via the *Help > Register* menu option.

Q: I cannot connect to any FTP site, what's wrong?

A: Any personal firewall software (like Norton Personal Firewall, McAfee Personal Firewall, ZoneAlarm, etc.) on your system can block access to all FTP Servers.

To enable 3D-FTP support for firewalls:

1. Go to Settings > General Settings > Proxy/Firewall-tab
2. Check the *Passive Transfer* check box (to make it active)
3. Also see the personal firewall documentation about how to enable FTP access

Q: Why do I get the error message "Illegal PORT Command" when trying to connect?

A: You are most likely behind a firewall if you get this error message

```
500 Illegal PORT Command
Syntax error, command unrecognized
```

To enable 3D-FTP support for firewalls:

1. Go to Settings > General Settings > Proxy/Firewall-tab
2. Check the *Passive Transfer* check box
3. Try connecting again.

Q: What versions of Windows does 3D-FTP support?

A: 3D-FTP runs on Win98, ME, NT, Win2000, Windows Server 2003 and 2008, XP and Vista.

Q: You say that 3D-FTP is 20x faster than its competitors, but I have only seen a 3x speed increase. Are there any settings that I can adjust?

A: 3D-FTP provides up to 20x faster transfer speed! The 20x improvement is the maximum that can be achieved when all 20 download threads are active (default is 4 threads). You can adjust the number of threads in use by clicking the thread numbers in the lower left hand corner of the main window. The speed increase also depends on your Internet connection: generally the faster your Internet connection, the more improvement you'll see. This means that modem users will normally get 2-3x faster performance and cable modem users will get 3-5x faster performance.

Q: I would like to use proxy or firewall for my FTP access. Can I do that?

A: Yes. See the *firewall/proxy* tab (firewall is the same as proxy to 3D-FTP) in Site Editor to modify the proxy/firewall settings for the selected site. If you want to use proxy or firewall for all sites, change the settings at Settings > General Settings > Proxy/Firewall.

Q: The program gives a error message and crashes. What is wrong?

A: Please make sure that you have latest version of 3D-FTP installed. If you still experience any problems, please contact us using the web form at http://3dftp.com/contact_support.htm

Part IV

Ordering and Support



4 Ordering and Support

4.1 3D-FTP Evaluation vs. Full version

The downloadable **evaluation version** have a free 30-day trial period to allow you to fully evaluate the performance and features of the software before purchasing. This downloadable versions contains all the functionality of the purchased software. The evaluation version will stop functioning after 30-days. If you want to continue using the software after the evaluation period, you will need to purchase a license from our online store. After purchase, you will receive an unlock key via email. This key will convert the evaluation version to the full version, so you won't need to download and install the software a second time.

- The full price list and purchase options are available at <http://3dftp.com/purchase.htm>

We thank you for your interest in 3D-FTP!

4.2 Ordering Information

To order 3D-FTP online with a credit card or PayPal and download your order immediately, please go to our online store:

- <https://www.regnow.com/softsell/nph-softsell.cgi?item=14296-1>

Other ordering options

The following ordering options are available:

- Credit Card - Online
- Credit Card - Fax
- PayPal
- Bank/Wire Transfer
- Check/Money Order
- Invoice

You will see complete pricing and ordering information on our web site:

- <http://3dftp.com/purchase.htm>

What do I get when I purchase the license?

You will receive the *unlock key* and a *receipt* for purchase via email in just minutes.

Where do I download the purchased software?

After your purchase is completed, you will receive an *unlock key* via email. This *unlock key* converts the 3D-FTP trial version into the full version. If you have already downloaded and installed the trial version, then all you need to do is enter the unlock key at the start up screen to convert to the full version, so there is no separate full version to download.

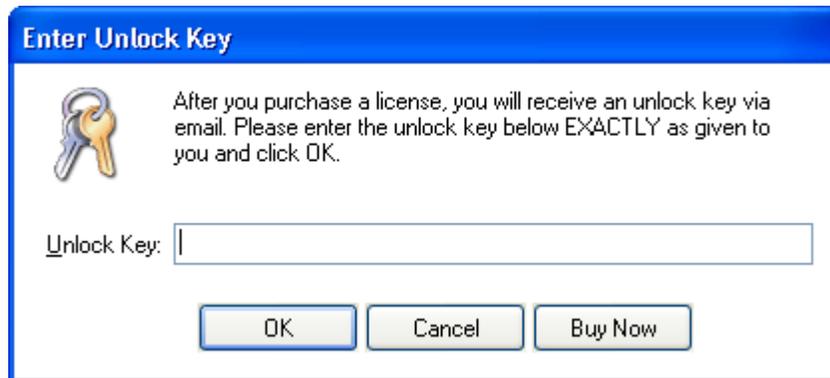
The trial version download is available at: <http://3dftp.com/download.htm>

Where do I get the unlock key?

We will send you the unlock key via email. If you order with your credit card or PayPal account, we will process the order in real-time, so you will receive the unlock key immediately after your purchase is processed. If you use another payment method, we will email you the unlock key immediately after your order is fully processed.

How do I enter the unlock key?

1. Download the trial version of the software here: <http://3dftp.com/download.htm>
2. Install it
3. Run it via the Start menu
4. Click the Enter Unlock Key-button on the Start up screen. The following window opens:



5. Enter the UNLOCK KEY in the *Unlock Key* text field
6. Click the *OK* button
7. Now the trial version is converted to the full version, with all evaluation version limitations removed

4.3 Technical Support

If you encounter technical problems with 3D-FTP, follow this procedure:

1. Check the [FAQs](#) to see if your problem is addressed there
2. Make sure that you have the latest version of 3D-FTP installed. You can find out the version number by selecting menu *Help > About*. Compare that version number to the currently available latest downloadable version shown at our website, <http://3dftp.com/download.htm>

If you still cannot find solution to your problem, follow this procedure:

1. Select menu *Help > Contacting Support*
2. Turn Reporting Mode *ON* and close the window
3. Perform necessary steps to repeat the problem
4. Select menu *Help > Contacting Support* again
5. Click the *Create Report* button
6. Copy the report to a clipboard by clicking the *Copy to Clipboard* button and paste it into an email message with the detailed description on what you were doing when you received the error
7. Use the Support Form at http://3dftp.com/contact_support.htm to send the report to us

If you have an idea about a new feature for 3D-FTP or a suggestion about how we could improve the program, please let us know at support@sitedesigner.com

4.4 Contact Us

Our Mission

Our mission is to create robust software tools that allow business users around the globe to transfer files quickly and securely over the Internet. Our software helps users automate complex file transfer tasks for unattended operation, thus lowering management and operational costs. Our software ensures data safety by using standardized and proven encryption protocols and methods.

References

We have over 40,000 customers in 110+ countries. See a partial reference list at <http://3dftp.com/references.htm>

Order Contact Information

All of our orders are processed by RegNow.com. RegNow.com is a service of Digital River, Inc. (NASDAQ: DRIV). Online and phone ordering is available 24/7. [Click here](#) to view prices and purchase options.

24/7 Phone ordering

Toll Free 1-877-353-7297
International +1-952-646-5331

Fax ordering

Toll Free Fax 1-800-442-3172
International Fax +1-952-646-5604

Postal Mail

RegNow / Digital River
9625 West 76th Street
Eden Prairie, MN 55344
USA

Company Contact Information

SiteDesigner Technologies, Inc.
795 Folsom Street
San Francisco, CA 94107
USA

Phone (415) 670-9170

Sales

Please use the contact form at

<http://3dftp.com/contact.htm>

or email us at sales@sitedesigner.com

Part V

How to...



5 How to...

5.1 How to Schedule File Transfers

You can schedule your file transfer to a later time. When you are trying to download from heavily loaded FTP Servers, it can be more convenient to download files later during the night when there is less Internet traffic. You can have multiple items in the queue scheduled for transfer at different times and to/from different servers.

There are two ways to schedule a file transfer:

Schedule 1:

1. Select the files you want to download from the remote file list
2. Click the *Schedule* button in the toolbar
3. Select *Schedule* and enter the transfer time and date to the *Schedule* window that opens
4. Click the *OK* button.

Now the files appear in the queue with the clock symbol next to them. They will be transferred at the scheduled time.

NOTICE! 3D-FTP must be running when you have scheduled the transfer, so do not exit the program after scheduling. But you can continue using 3D-FTP normally when there are scheduled items in the queue. In other words, you can connect to other sites, download and upload files and perform all other functions as usual. 3D-FTP will connect to the proper site and transfer the scheduled items automatically **in the background** at the scheduled time.

Schedule 2:

Populate the queue:

1. Drag'n drop files to add them to the queue
2. Add files to the queue from different servers if needed
3. Mix uploads and downloads in the Queue if needed

Add scheduling:

4. Select the files in the queue to schedule
5. Right click the mouse to select *Schedule Items* from the the pop-up menu
6. Enter transfer time and date

Repeat steps 4-6 for different queue items to schedule a different transfer time.

Cancelling a scheduled transfer

You can delete the scheduled queue items to cancel a scheduled transfer.

To cancel **all** items:

- Click the *Clear* button on the lower left hand corner of the window

To cancel **some** items:

1. Select the items in queue you want to cancel

2. Right click at the top of the selection
3. Select *Delete Items* from the pop-up menu

Recurring Schedules

In addition to the *Transfer Once* schedule option, you can schedule recurring transfers. The available options are:

- **Transfer Weekly** - Select the week day the transfer should occur.
- **Transfer Monthly** - Select the months the transfer should occur. You can also select first/last day of the week, select a specific day on the month or the *Nth* day of the month.

For these options you can select the *time of transfer*. Options are:

- **At** – The transfer occurs at a certain time of day
- **Every** – The transfer is repeated every Nth sec/min/hour between selected hours.

In addition to these options, you can specify *start and end times and dates* for the schedule.

5.2 How to Use Quick Site List

The fastest way to connect to an FTP site in 3D-FTP is to **right click** with your mouse **on top of the empty remote file pane**. You will see the list of the 10 most-recently used sites, and you can make the connection by simply selecting the site name from the pop-up-menu.

You can access the same list when you click down arrow next to *Connect* toolbar button.

5.3 How to Use Proxy and Firewall

The access to FTP Servers is usually restricted in company networks. A company network is normally connected to the Internet via a proxy or firewall server, and in order to establish an FTP connection, you must tell 3D-FTP what proxy and firewall settings to use. If you access the Internet with a modem, ISDN-adaptor or via an unsecured company network, you can leave the proxy/firewall settings empty.

Please consult your network administrator for proper values to enter to the Proxy/Firewall tab.

If you are running personal firewall software like Norton Desktop Firewall, McAfee Personal Firewall or similar products:

- Turn on the *Passive Transfer* mode at *Settings > General Settings > Proxy/Firewall*.
- Check the *Passive Transfer* check box (to make it active). This should allow FTP site access through the firewall software.

Global Settings for All Sites

You can globally set proxy/firewall access to all sites (if they are using 'Default Settings') by editing the firewall settings in the *Settings > General Settings dialog, Proxy/Firewall* tab. This is the recommended way to set proxy/firewall properties, as you will only need to enter the values once. All sites use these firewall settings by default.

Settings for Individual Sites

You can also adjust proxy/firewall setting for individual sites. In *Site Editor (Connect button > Site Manager Edit/Add button)* you can click the *Proxy/Firewall* tab to see the available proxy and firewall server settings for each saved site entry. You can change these properties separately for each site by

deselecting the *Use Default Settings* check box and entering the proper values to this window.

5.4 How to Import Sites from CuteFTP, WS_FTP etc.

You can import the site listings you have saved in other FTP clients to 3D-FTP:

1. Select the *Import Sites* command from the Site menu
2. Click the drop-down list in Step1 and select the FTP Client you want import sites from. **Note the version number of the Client.**
3. Click the *Get Sites* button and browse to the site file where sites are stored. The site filename is already selected, so you only need to browse to the correct folder. If you do not know where this site file is located, use the Windows *Search* feature. The filename you are searching is listed in parentheses, next to the FTP Client name.
4. After selecting the site filename, you will see the list of available sites
5. Select the sites you want to import and click the *Import* button. You can select all sites by clicking the *Select All* button

NOTICE! Some clients store their login passwords in encrypted form; therefore, 3D-FTP cannot import them. You will need to enter each password manually in the Site Manager after completing the import process.

All imported sites are stored in the Site Manager under the *Imported* folder. You can further edit these sites in Site Manager.

5.5 How to Resume Transfer

3D-FTP can automatically resume transferring if the connection is broken in the middle of the transfer for any reason. Resuming means that the file transfer continues from the exact position of the interruption, without the need to start over. This is especially handy when transferring big files or trying to transfer data to/from a very busy FTP Server over a bad connection.

Changing Resume Settings

If the file already exists, you can change Resume settings in *Settings > General Settings > File Viewer tab > Action*. Read more about resume settings [here](#). The default settings are *Resume on download* and *Ask User on upload*.

NOTICE! The Resume function requires support from the FTP Server. So if the server you are connected to does not support Resume, 3D-FTP cannot resume the transfer; instead, the file must be transferred from the beginning if the connection is lost in the middle of the transfer. Fortunately, almost all FTP Servers now support the Resume function.

5.6 How to Customize Toolbar

Add or remove buttons on the main toolbar:

1. Click the *down arrow* at the right end of the toolbar
2. Select the *Add or Remove Buttons* item
3. Select the *Main Toolbar* item
4. Select one of the buttons from the list; it will disappear from the toolbar
5. You can retrieve the button by selecting it again

Show small icons on the toolbar

1. Click the *down arrow* at the right end of the toolbar
2. Select the *Add or Remove Buttons* item
3. Select the *Customize* item
4. Click the *Options* tab
5. Deselect the *Large icons* check box

Rearrange buttons on the toolbar

1. Click the *down arrow* at the right end of the toolbar
2. Select the *Add or Remove Buttons* item
3. Select the *Customize* item
4. While the *Customize* window is open, you can rearrange toolbar buttons with the mouse. Just drag'n drop the buttons to arrange them how you want them
5. You can also drag'n drop to rearrange menu items

5.7 How to Add Bookmarks

The bookmark is a direct link to a certain folder on the local computer or on the remote FTP Server. Bookmarks help you access the most-used folders with a single mouse click. For example: you can add a bookmark to your web server */pub/public_html* folder and name it *Web Pages*. Once created, this bookmark appears in the *Bookmark* menu, and you can connect to the web server and change to the */pub/public_html* folder by simply selecting the *Web Pages* bookmark in the *Bookmark* menu.

Bookmarks are also available in the *Favorite Directories* drop-down list. You can open this list by clicking the local or remote folder name.

Add a Local Bookmark

1. Change to the local folder that you want to bookmark
2. Select *Add Bookmark* from the *Bookmark* menu
3. Select the *Bookmark current local folder* option
4. Enter a name for the bookmark (or just accept the default name)
5. Click the *OK* button

This new local bookmark is now available in the *Bookmark* menu for later use. All bookmarks are saved automatically.

Add a Remote Bookmark

1. To add a bookmark, connect to the FTP Server and change to the folder you want to bookmark
2. Select *Add Bookmark* from the *Bookmark* menu
3. Select the *Bookmark current remote folder* option
4. Enter a name for the bookmark (or just accept the default name)
5. Click the *OK* button

This new remote bookmark is now available in the *Bookmark* menu for later use. All bookmarks are saved automatically.

Edit Bookmark

To change a bookmark name (=name that appears in the *Bookmark* menu):

1. Select *Edit Bookmarks...* from the *Bookmark* menu
2. Select the bookmark name in the list you want to edit

3. Click the *Edit* button
4. The *Edit Bookmark* window opens and you can now edit the bookmark name
5. Click the *OK* button to save changes. The new name appears in the *Bookmark* menu.

NOTICE! You cannot edit the remote folder name that bookmark leads to, so if you have created a bookmark to the wrong folder, simply delete the bookmark and create a new one in the correct folder.

Delete Bookmark

To remove bookmark from the menu:

1. Select *Edit Bookmarks...* from the *Bookmark* menu
2. Select the bookmark name in the list you want to delete
3. Click the *Delete* button
4. When you see a Confirmation message, select *Yes* to continue with the deletion

The bookmark is now deleted from the menu.

5.8 How to Show Total Directory Size

You can display the total size for all files in either local or remote folder:

1. Right click the local or remote file list to display the pop-up menu
2. Select the *Show Total Size* command
3. The total size for all files in the current folder is shown in the window. This size includes **only** files in the **current folder**, **not** files in **subdirectories** below the current folder.

Click the *Start* button to show the total size for all files in the current folder **PLUS** all files in sub-folders. 3D-FTP traverses through all directories under the current folder and builds a tree view of the directories and displays the total size for each folder next to the folder name.

When the size calculation is finished, the total size is displayed, and the two largest directories are flagged with red and blue folder icons.

Calculating the total size will take a while, but you can interrupt this calculation any time by clicking the *Stop* button.

5.9 How to Print Directory Listings

To print directory listings:

1. Right click the local or remote file listing pane to display the pop-up menu
2. Select the *Print Listing* command
3. Select options in the *Print Directory Listing* window and click the *OK* button
4. The web browser starts and displays the file listing
5. Print this by clicking the *Print Now* link

When file listing is displayed in the web browser, you can also select the *Print Preview* command from the browser menu to verify the printout before committing to print.

The *Print Listing* command prints the file listing in the same sorting order and with the same visible columns that you see in the main window. So if you want to sort files in the printout by size, click the *Size* column header in the file listing before selecting the *Print Listing* command.

5.10 How to Synchronize Folders

Synchronizing folders is a very useful feature when updating web site contents or making a backup copy of the web site. The folder synchronization feature allows the user to duplicate local folder contents to the remote server, automatically uploading only new and changed files. It also makes it very easy to duplicate remote server contents to a local hard disk by downloading only new and modified files. In either case, the user does not need to know or remember what files were modified and need to be transferred.

To synchronize folders:

1. Connect to the remote server and navigate to the desired remote folder
2. Navigate to the desired local folder
3. Select the *Synchronize Folders* command from the *Commands* menu or press the *F3* hotkey

The *Synchronize* window opens and you can configure the sync options. This window displays a preview of files that will be transferred. Notice that this list includes only files in current folders, as *Synchronize* also transfers files in subfolders if the *Include Subfolders* check box is selected.

Synchronize Direction

Synchronize Local > Remote. Uploads all *new and changed* files in the local folder to make the remote folder contents similar to the local one. This option is useful when you maintain a copy of your web site on your local hard disk. You can add html files and pictures and update web pages locally. When the site is ready to be published, you synchronize the local folder to the remote server. This way, all new and changed files are uploaded automatically, and you don't need to remember what files need to be uploaded.

Synchronize Remote > Local. Downloads all *new and changed* files in the remote folder to make the local folder contents similar to the remote one. This option is useful when you make regular backups of your web site. Just connect to the web server and sync the remote folder to the local one. The program automatically downloads all new and changed files and keeps the backup copy always updated.

Synchronize Local <> Remote. This options makes both folders identical. It:

- Uploads all files that do not exist in the remote
- Upload all files that are newer in the local folder than in the remote folder
- Downloads all files that do not exist in the local folder
- Downloads all files that are newer in the remote folder than in the local folder

Synchronize Options

Include Subfolders

Synchronize also syncs subfolders under the current folder

Ignore Case

Consider filenames FILENAME.EXT and filename.ext as the same

Compare File Size

When turned on, compares file size if the file exists in the local and remote folders. And transfers the file if its size is different.

Compare File Date

When turned on, compares the file date if the file exists in the local and remote folders. If sync direction is Local > Remote or Remote > Local, transfers the file if the file date is different. If sync

direction is Local <> Remote, transfers the file that is newer.

NOTICE! This option is somewhat problematic due to limitations in FTP specifications. The problem lies in the fact that when uploading files, the file dates are always reset to the current server time and date. This means that if you have a local file that was last modified 30/12/2008 12:45, and you upload it on 31/12/2008 11:00, the file gets the upload date on the server (31/12/2008 11:00). So even though the files are the same, they now have different date stamps on the local and remote folders. So when viewed at a later time, there is no way for you to know if the files are the same, as the file size is same, but the file date is different.

This problem does not occur when doing Remote > Local sync, because after downloading, 3D-FTP sets the local file time and date to the same value as it is on the server. Unfortunately there is no way in the FTP standard to allow 3D-FTP to set the remote file date to same value as the local time and date after uploading.

Due to these file date-related problems, it many times makes sense to leave the *Compare File Date* option unselected.

Delete Extra Files and Folders

After transferring all new and changed files, you can let 3D-FTP delete all files on the destination site that do not exist in the source folder. For example, Local > Remote sync mode deletes all files in the remote folder that do not exist in the local folder. By allowing deletions, local and remote folders are identical after synchronization.

Confirm Deletes

Shows a confirmation dialog before actually deleting any files. This setting only applies when the *Delete Extra Files and Dirs* option is also selected.

Sync Filtering

Filter Inactive...

You can enable filtering for the sync session by pressing the *Filter Inactive* button. The filters you specify are automatically saved for later sessions, so if you turn filtering ON, it is NOT automatically turned off when you exit 3D-FTP, but the same setting is restored at the next program start up. You must manually turn filtering off to disable it.

The Sync Filter options are:

- *Include Filter*: If used, only file and folder names that match the filter criteria are included in the sync operation. All files that do not match filter criteria are excluded.
- *Exclude Filter*: If used, file and folder names that match filter criteria are excluded from the sync operation.

Examples. You specify following filters:

Include Files: *.html;*.htm;*.gif	All HTML files and picture files with the "gif" extension are included in the sync
Include Files: *	All files are included in the sync
Include Files: sys*.*	All file names starting with "sys" and having some extension are included. NOTICE! Files without an extension are NOT included. (see below)
Include Files: sys*	All file names starting with "sys" are included in the sync, with or without extension.
Include Dirs: pub;public	When the <i>Include subdirectories</i> option is in use, files in the current folder and files in the "pub" and "public" folders are included in the sync. Notice! Only "pub" and "public" subfolders under these are included.
Exclude Files: *.log	Exclude filenames with "log" extension from the sync.
Exclude Files: *.tmp;*.temp;_*	Exclude filenames with "tmp" and "temp" extensions, and filenames prefixed with underscore character from the sync.
Exclude Dirs: bin;usr;etc	Exclude "bin", "usr" and "etc" folders from the sync.

You can specify multiple filters simultaneously by separating them with semicolons.

NOTICE! The filter *.* applies ONLY to filenames that have an extension. You must specify * to apply the filter to all filenames.

Disabling Filtering

1. Click the *Filter Active...* button
2. Click the *Reset* button to disable all filtering.

5.11 How to Select Files with Wildcard and Compare

3D-FTP has a *Select Files* menu that is accessible via the *Commands* menu at the top and via the file list right-click popup menus. This menu contains following commands:

Select All

Select all files and folders in the active file list. You can also use Click *Ctrl-A* hot key to access this command.

Select All Files

Select all files in the active file list. Folders and drives are not selected.

Select All Folders

Select all folders in the active file list. Files and drives are not selected.

Select with Wildcards

This command opens a window where you can enter wildcard selection criteria. The selection is made

to active file list.

The wildcard selection criteria use the wildcard characters * and ? to create criteria:

* character matches any character string

? character matches any single letter or digit

Example: To select all ZIP files, enter the *.zip wildcard selection criteria. The previously-entered criteria are available in the drop-down list.

Examples:

*.exe	Select all files with the .exe extension
*.doc	Select all files with the .doc extension
log*.zip	Select files like <i>log.zip</i> , <i>logfile.zip</i> , <i>log2008.zip</i>
.htm	Select all files with the .htm and .html extension
*.jpg; *.gif, *.png	Select image files with the .jpg, .gif or .png extensions

Select with Compare

Select with Compare is the most advanced selection method of all the above. It makes selections by comparing local and remote file listings; therefore, this command is only available when you are connected to the remote FTP Server. The command is most useful when you need to synchronize the local/remote folders by uploading only changed or missing files.

When you select this command when the local file list is active, the following options are available:

Select files that do not exist on remote

Selects all files that do not exist on the remote folder. The filename comparison is case sensitive.

Select files that do exist on remote

Selects all files that do exist on the remote folder. The filename comparison is case sensitive. The extra options below are combined with this rule with the logical AND operator.

and are newer than corresponding ones on remote

The full rule becomes: Selects all files that do exist on the remote folder **and** are newer than corresponding files on the remote folder. So the matching file is located in the remote file listing and its modification date is compared to the local file's modification date. If the local file is newer, it is selected. If the file has the same timestamp, then it is not selected.

and are older than corresponding ones on remote

The full rule becomes: Selects all files that do exist on the remote folder **and** are older than the corresponding files on the remote folder. So the matching file is located in the remote file listing and its modification date is compared to the local file's modification date. If the local file is older, it is selected. If the file has the same timestamp, then it is not selected.

NOTICE! Uploaded files normally get the date/timestamp from the remote server system clock. You can change this with the *Set uploaded file time with MDTM command* option found in Site Manager. Read more [here](#).

and have different size than corresponding ones on remote

The full rule becomes: Selects all files that do exist on the remote folder and have a different size than corresponding files on the remote folder. So the matching file is located in the remote file listing and its

size is compared to the local file size. If the sizes are different, it is selected.

NOTICE! File sizes might be different even if you have just uploaded the file to the remote server. This often happens with ASCII files like *html* and *txt* files because the remote server is often UNIX-based and stores ASCII files in a different format: the linefeed is a single character in UNIX boxes, whereas it is two characters in Windows machines. So the same file is smaller when uploaded to a UNIX Ftp server than the exact same file on the local hard disk.

How to select new and changed files to synchronize local and remote folders

You can use the *Select with Compare* command to select **only** changed and new local files to synchronize the remote folder contents to match local folder contents. Select the following check boxes:

Select local files that...

- X do not exist on remote
- X do exist on remote
- X and are newer than corresponding ones on remote

By doing this, all new and updated files are selected on the local file list. You can then upload selected files via the menu *Command > Upload* or add them to the queue with the menu *Command > Add File(s) to Queue*.

5.12 How to Sort File Listings

You can sort items in file listings by using three different methods:

1. Click the column header to sort the listing by clicked column. The arrow next to the column name indicates the current sorting order. Click the column header a second time to reverse the sorting order.
2. Right click on top of the file listing to open the pop-up menu. Then select the sorting order from the *Sort* submenu.
3. There is a shortcut to sort filenames by extension: Press the *Shift* key and click the *Filename* column header. This is the same as selecting the *Sort by extension* command from the pop-up menu (method 2). You can repeat the *Shift-Click* method to reverse the sorting by extension.

Notice that file listings always list folders **before** files.

Saving sort order on exit

By default, the sorting order is saved on exiting the program and restored automatically on the next program start up. You can change this via the menu *Settings > General Settings > Other tab > Remember file list sort order* check box. Deselecting the check box resets the sorting order to *Sort-by-filename* on program start up.

5.13 How to Download from Ratio Sites

What are ratio sites?

Ratio Sites are FTP Servers that are configured in a special way: They require you to upload files before you can download files. The ratio between uploads and downloads is normally expressed by a number like 1:3. This means that you must upload 1 file to download 3 files. There are three variables

in ratio sites:

Initial Credit

The term credit is often used to tell how many files (or how many bytes) the user can download before he needs to upload a file. So if your current credit is 5, you can download 5 files before you must upload a file(s) to continue downloading.

The Ratio

As explained above, ratio is between uploads and downloads (e.g. 2:5). For example: if a ratio site has a 1:4 ratio and you want to download 12 files, you must upload 3 files ($12 : 4 = 3$).

3D-FTP makes these calculations for you.

Counting Method

The upload:download ratio can be calculated from the number of **files** or bytes uploaded/downloaded. You can normally find the ratio used and the counting methods in the FTP Server welcome message. Current ratio values are also normally displayed in the log file after every file transfer.

Downloading from ratio sites

First connect to the ratio site and find out what ratio it uses and how much initial credit you get. Next open the Ratio window by selecting the *Ratio Sites* command from the Queue right-click menu. Next:

1. Add all the files that you want to download to the queue
2. Add all the upload files that can be used for your credit to the queue
3. Click the *Rearrange* button to let 3D-FTP arrange the queue optimally to fulfil the upload:download ratio using the smallest number of upload files and optionally remove useless files from the queue.

NOTICE! 3D-FTP switches to single threaded mode to handle ratio transfers, because many FTP Servers cannot handle multi-threaded transfers when ratio counting is in use. Click the *Threads* button to switch back to multi-threaded mode after any ratio transfers have completed.

Ratio site options

Access Ratio Site Options by clicking the *Options* button, which shows these options:

Open as "always on top" floating window

This option allows you to edit queue contents (add and remove files) while the Ratio Sites window is open. The statistics and Queue Status are updated in the Ratio Sites window automatically, so you'll immediately see the effect of changes made to the queue.

Toolbar mode

Opens the ratio window as a small toolbar-type window.

Close on Rearrange

Close the Ratio Sites window when you click the *Rearrange* button. If unselected, the window stays open and you can "preview" the rearrange effects while continuing to modify the queue contents.

5.14 How to Create Custom Commands

Custom commands provides an easy way to send any commands to the FTP Server, so you can communicate with the server by sending commands that are not directly supported by 3D-FTP. You can either send a one time server command or store them for later use.

Send a server command

To quickly send a custom command to the server:

1. Select *Commands > Custom Commands > Send and Edit Custom Commands* from the menu. This menu is also available by right clicking the remote file listing.
2. Enter the command you want to send to the server in the *Enter server command:* field
3. Click the *Send* button

You can access previously entered commands by selecting from the drop-down list.

Create a new custom command

If you need to send a specific server command often, or you want to send a sequence of commands, it makes sense to save it for later reuse.

1. Select the *Commands > Custom Commands > Send and Edit Custom Commands* from the menu. This menu is also available by right clicking the remote file listing.
2. Click the *New...* button
3. Enter the custom command identifier to the *Custom Command Label* field. You can add a character to make the next letter a short-cut key (shown underlined in the menu)
4. Type the commands to the *List of Server Commands* text field. You can enter multiple commands by separating them with linefeed (=press Enter). Commands are sent to the server in the sequence they appear in this field, and they can contain one or more macros (see more about macros below).
5. Click the *OK* button

Now the new custom command is available for use in the *Commands > Custom Commands* menu.

Refresh Remote File Listing Check Box

By selecting this option, you can automatically command 3D-FTP to refresh the remote file listing after sending custom commands to the server. This is handy if custom command modifies the remote files, so that the remote file listing is reread from the server to keep the file details up-to-date.

Macros in Custom Commands

Saved custom commands can contain macros that are expanded when custom command is send to server. These macros are:

Macro	Replaced with	Example
%fn	FileName. Replaced with currently selected filename	Autoexec.bat
%fp	Filename with Path	/pub/bin/Autoexec.bat
%fs	File Size	54321
%fa	File Attributes	-rwrwrw
%fd[Format]	File Date and Time. See more about <i>format</i> below	12/31/2008 09:45:59
%p[Prompt]	Show user an input box and <i>prompt</i> user to enter a value. Entered value replaces this macro.	
%log	If present in the beginning of the line, this line is show in the log window and not sent to server	

If any of the file-related macros are present in the custom command (%fn, %fp, %fs, %fa, andfd), one or more files must be selected in the remote file listing when custom command is selected. If multiple files are selected, the command sequence is repeated once for each file.

In the examples below, two files */pub/FileA.txt* and */pub/FileB.txt* are selected in the remote file list when the command is selected.

Examples

Example Cmd with Macros 1: Search for files

Custom command sequence:

```
SITE INDEX %p[Search for text:]
```

Output when executed:

Macro prompts user "Search for text:". User enters *.cgi and clicks *OK*
Macro sends SITE INDEX *.cgi

Example Cmd with Macros 2: Change file attributes

Custom command sequence:

```
SITE CHMOD %p[Enter new attributes for the file %fn] %fn
```

Output when executed:

Macro prompts user "Enter new attributes for the file FileA.txt". User enters 771 and clicks *OK*
Macro sends SITE CHMOD 771 FileA.txt
Macro prompts user "Enter new attributes for the file Autoexec.bat". User enters 771 and clicks *OK*
Macro sends SITE CHMOD 771 Autoexec.bat

Example Cmd with Macros 3: Show selected file details

Custom command, list of commands:

```
%log =====
%log Filename: %fn
%log Filename with path: %fp
%log File Size: %fs
%log File Attributes: %fa
%log File Date & time: %fs[MM/DD/YY hh:nn:ss]
```

This macro sends nothing to the server, it only displays text in the log pane:

```
=====
Filename: FileA.txt
Filename with path: /pub/FileA.txt
File Size: 12345
File Attributes: -rwrwrw
File Date & time: 06/06/07 12:00:31
=====
Filename: FileB.txt
Filename with path: /pub/FileB.txt
File Size: 543321
File Attributes: -rwrwrw
File Date & time: 12/31/07 15:10:00
```

Example Cmd with Macros 4: Rename file

Custom command sequence:

```
%log === RENAME FILE %fn =====
RNFR %fn
RNTO %p[Enter new name for file %fn]
```

Output when executed:

```
=== RENAME FILE FileA.txt =====
RNFR FileA.txt
Macro prompts user "Enter new name for file FileA.txt". User enters NewA.txt and clicks OK
RNTO NewA.txt
=== RENAME FILE FileB.txt =====
RNFR FileA.txt
Macro prompts user "Enter new name for file FileB.txt". User enters NewB.txt and clicks OK
RNTO NewB.txt
```

%fd Macro Format parameter

The following table identifies characters you can use to create date/time formats:

Character	Description
(:)	Time separator. In some locales, other characters may be used to represent the time separator. The time separator separates hours, minutes, and seconds when time values are formatted. The actual character used as the time separator in formatted output is determined by your system settings.
(/)	Date separator. In some locales, other characters may be used to represent the date separator. The date separator separates the day, month, and year when date values are formatted. The actual character used as the date separator in formatted output is determined by your system settings.
c	Display the date as ddddd and display the time as tttt, in that order. Display only date information if there is no fractional part to the date serial number; display only time information if there is no integer portion.
d	Display the day as a number without a leading zero (1 – 31).
dd	Display the day as a number with a leading zero (01 – 31).
ddd	Display the day as an abbreviation (Sun – Sat).
dddd	Display the day as a full name (Sunday – Saturday).
ddddd	Display the date as a complete date (including day, month, and year), formatted according to your system's short date format setting. For Microsoft Windows, the default short date format is m/d/yy.
dddddd	Display a date serial number as a complete date (including day, month, and year) formatted according to the long date setting recognized by your system. For Microsoft Windows, the default long date format is mmmm dd, yyyy.
w	Display the day of the week as a number (1 for Sunday through 7 for Saturday).
ww	Display the week of the year as a number (1 – 54).
m	Display the month as a number without a leading zero (1 – 12). If m immediately follows h or hh, the minute rather than the month is displayed.
mm	Display the month as a number with a leading zero (01 – 12). If m immediately follows h or hh, the minute rather than the month is displayed.
mmm	Display the month as an abbreviation (Jan – Dec).
mmmm	Display the month as a full month name (January – December).
q	Display the quarter of the year as a number (1 – 4).
y	Display the day of the year as a number (1 – 366).
yy	Display the year as a 2-digit number (00 – 99).
yyyy	Display the year as a 4-digit number (100 – 9999).
h	Display the hour as a number without leading zeros (0 – 23).
hh	Display the hour as a number with leading zeros (00 – 23).
n	Display the minute as a number without leading zeros (0 – 59).
nn	Display the minute as a number with leading zeros (00 – 59).
s	Display the second as a number without leading zeros (0 – 59).
ss	Display the second as a number with leading zeros (00 – 59).
t t t t	Display a time as a complete time (including hour, minute, and second), formatted using the time separator defined by the time format recognized by your system. A leading zero is displayed if the leading zero option is selected and the time is before 10:00 A.M. or P.M. For Microsoft Windows, the default time format is h:mm:ss.
AM/PM	Use the 12-hour clock and display an uppercase AM with any hour before noon; display an uppercase PM with any hour between noon and 11:59 P.M.

Sample	Output
%fd[m/d/yy]	1/31/02
%fd[d mmmm yyyy, hh:mm]	31 January 2008, 23:59
%fd[yyyy-mm-dd]	2008-01-31

5.15 How to Access Commands for Files and Directories

The easiest way to access all file and folder commands is to:

1. Select files or folders in the file list
2. Right click on top of the selection
3. Select the command from the popup menu

There are different right-click menus for the local and remote file lists, the queue and the log window.

5.16 How to Refresh File List

By default, 3D-FTP uses file list caching on remote servers to speed up its file operations. The caching means that the file listing is read only once from the server and then saved to the local hard disk; then on subsequent requests, the file listing is read from the local hard disk. The local cached file listing is reread (=refreshed) from the server after it is over 1 day old (see [Site Editor](#) to change this setting).

This caching causes you to see file listings that might not contain all the files and folders that are on the remote server, or to see file sizes and dates that are not up-to-date. To manually refresh the file listing (=command 3D-FTP to reread file listing from server), hit the *F5* hot key or select the *Refresh* command from the file list right-click menu (right click on top of the remote file list).

5.17 How to Disable Directory List Caching

In the Site Editor (the *Connect > Edit/Add* button), you can disable the remote directory listing cache from the *Advanced* tab. Deselect the *Use default advanced settings* check box and make sure the *Enable Cache* check box is unchecked.

If you alter the *Enable Cache* setting in the *General Settings* dialog, cache is disabled on all sites that use the default advanced settings. You can also modify the cache *days* value, for example to 1, to tell 3D-FTP to reread the cache contents when it is older than 1 day.

5.18 How to Share Site Manager Information

If you need to share same Site Manager information between all 3D-FTP installations in the network, you can make an entry to the registry in all workstations that are running 3D-FTP. You can find this registry entry is at

```
\HKEY_CURRENT_USER\Software\SiteDesigner Technologies\3D-FTP\Options
```

```
SiteFile=\\server\shared\sites.ini
```

This registry setting specifies the location of the shared Site Manager file and sets 3D-FTP to share Site Manager mode. By default, all instances of 3D-FTP that use the shared Site Manager file open it

as read-only. So no changes can be made via Site Manager. You can override this with the */M* (=Master) command line switch, so start 3D-FTP with this command line:

3dftp.exe /M

In Master mode, the file is opened as writable and changes made to it are saved (and made visible to all 3D-FTP instances that use the shared file). This is convenient for admin PCs that can update the Site Manager information, while other installations can see the changes after 3D-FTP restarts.

If this "SiteFile" entry is not found in the registry, the SITES.INI file in the 3D-FTP installation folder is used for Site Manager information.

Part VI

Settings and Hotkeys



6 Settings and Hotkeys

6.1 Site Manager Settings

Site Settings - Required

Site Name

Free form name for the site. Examples: *My Web Server*, *The Best MP3 Site*.

Host Address

Enter the domain name (or IP address) of the FTP Server. Examples: *ftp.myserver.com*, *ftp.yourdomain.net*, *217.10.43.198*.

Port

The FTP port number, usually 21.

Log in as Anonymous User

When checked, 3D-FTP will log in to the site as an anonymous user, using the e-mail address as the Password. You can change the e-mail address from *General Settings*. Leave this checked when connecting to publicly-available FTP Servers.

Prompt for Password on Connect

When this box is checked, 3D-FTP does not save the password with site info, but instead, it asks for the password every time you connect to the site.

Username

The Login name for the FTP Server. Also called *UserId* or *Login name*. If you are going to access the web pages in the web hosting company's server, you have received the ftp host name, username and password from them.

Password

Your Password used together with your Username to log in to the FTP Server. If you leave this field blank, software prompts you to enter your password each time when connecting to the FTP Server. You also get your Password from your web hosting company.

Local Init Folder

If defined, 3D-FTP will try to change to this local folder after successful connection.

Remote Init Folder

If defined, 3D-FTP will try to change to this remote folder after successful connection.

Set uploaded file date with MDTM or MFMT command

When this is checked, 3D-FTP sets the uploaded file date to match the local file date with the MDTM or MFMT command. By default, the uploaded file gets its date/time stamp from the remote computer system (so it actually records the upload time), but with the MDTM/MFMT command, the uploaded file gets its date/time stamp from the local file. This way, the uploaded file preserves the actual modified date/time of the local file. There are two choices related to the MDTM command:

- **Use UTC time with MDTM / MFMT command (default).** Most FTP Servers uses UTC time with the MDTM command. This is the *de facto* standard.
- **Use local time with MDTM / MFMT command.** If the uploaded file timestamp is off by a few hours after the MDTM command, then try changing to this option. Some servers expect local time in the MDTM command, one such server is Serv-U, or at least older variants of it.

Note: The MDTM command is not part of the official FTP standard, so not all servers support it. If you

see errors like *550 No such file or directory* or *550 Command not understood*, then the FTP Server does not support this feature. In this case, you can turn this feature off.

Site Settings - Advanced

If the **Use Default Advanced Settings** check box is checked, the global settings are used and options in this tab are disabled.

Connect Timeout

Number of seconds the 3D-FTP will wait for server to respond when making the connection.

Number of Retries (connect)

Number of retries before giving up the connection attempt.

Retry Delay (connect)

Number of seconds to wait between connection attempts.

Transfer Timeout

If there is no data transferred in NN seconds, tries to restart and resume the transfer.

Number of Retries (transfer)

Number of retries before giving up the transfer.

Retry Delay (transfer)

Number of seconds to wait between transfer attempts.

Enable Cache. Cache remote folders for N days

The cache is a special temporary local storage for remote file listings. This means that, instead of requesting the file listing from the remote server every time the folder is changed, the file listing is read only once and then saved to local storage for later reuse. This local copy – the cache – speeds up the folder changes dramatically. You'll see the problems of caching when the remote server folder contents change, but due to caching, the local cached copy of the contents is shown. Therefore, you do not see the current file status, but instead the old one.

But because caching makes folder changes much faster, its use is recommended, and here you can control how long the cached copy of the file listing is stored. So if you have a setting of 7 days, the local cached copy is used for 7 days before it is reread from the server. You can flush the cache anytime (=force the file listing to be reread from the server) by selecting the *Refresh* command from the menu or hitting the *F5* key.

As for other Advanced Settings, you can control this setting on a per site basis (from Site Manager).

Site Settings - Proxy/Firewall

If the **Use Default Proxy Settings** check box is checked, the global settings are used and options in this tab are disabled.

These settings are needed ONLY if you are accessing the FTP Server through a corporate or personal proxy or firewall server.

FTP Proxy/Firewall Settings

Use Passive Transfer (PASV mode ON)

If your Internet connection is through a proxy or firewall server and you cannot make connections, check the *Use Passive Mode* option and try again. If you have no problems connecting, but cannot see the remote file listing, try using the *Passive Transfer Mode*. If that does not help, you need to enter the more advanced settings for the firewall connection below (consult your network administrator for proper settings).

Use Proxy/Firewall Server for FTP Connections

In corporate environments, special proxy or firewall servers normally monitor all Internet connections. These servers limit the outgoing connections made to the servers outside the company and also restrict the incoming, potentially harmful, connections.

Proxy/Firewall servers can be totally transparent, meaning that no special settings are needed here to make connections. But if that is not the case, you need to enable proxy/firewall use and enter proper connection parameters. Notice that you cannot guess these parameters, but you need to consult your network administrator for proper values. Tell the administrator that you are going to perform an FTP file transfer and need the firewall login parameters for that.

HTTP Proxy/Firewall Settings

If HTTP transfers are monitored by a proxy or firewall server, enter the connect parameters here. Again, consult your network administrator for more information.

Site Statistics

These statistics show a summary of previous connections to this site. You can reset the stats by clicking <?> buttons.

6.2 General Settings - File Tab

File Viewer & Editor

[Click here to read about the File Viewer & Editor Settings.](#)

Force File Case

These settings control automatic case conversion for file transfers. You can separately control case conversion for downloads and uploads. Available settings are:

Setting	Source	Destination
(None)	ThisIsFile.Ext	ThisIsFile.Ext
lower.case	ThisIsFile.Ext	thisisfile.ext
UPPER.CASE	ThisIsFile.Ext	THISISFILE.EXT
Mixed.case	ThisIsFile.Ext	Thisisfile.ext

Action if file already exists - Resume Settings

This is the default action when a target file with the same name already exists at the file transfer destination. The options are:

- *Ask User* - A dialog box is opened if a file with the same name already exist on the target. From this dialog, the user can select the Overwrite, Resume or Skip actions for the file.
- *Overwrite* – The file is transferred in full, overwriting the already existing file.
- *Resume* - If the destination file is smaller than the source file, 3D-FTP tries to resume the transfer. This is handy in situations where connection to the server drops in the middle of the transfer because it allows you to continue the transfer at the exact point of interruption.
- *Skip* - Do not transfer the file if a file with the same name already exists in the destination

Double Click Actions

These settings control what happens when a file in local or remote file list is double-clicked.

6.3 General Settings - File Viewer & Editor

- File Viewer Settings specify which application is started when the *View* command is selected from the menu. When the user selects the *View* command for the remote file, the file is first downloaded and then opened with the matching application.
- File Editor Settings specify which application is started when the *Edit* command is selected from the menu. When the user selects the *Edit* command for the remote file, the file is first downloaded and then opened with the matching application. After editing is complete, the file is uploaded.

Rules

The Viewer and Editor settings are a list of rules that connect the filename extension and the application used to open it. The rules consist of

1. *Filename Mask* - List of filename extensions used for matching rule criteria (like *.exe and *.txt)
2. *Action* - What is done when a matching extension is found:
 - Open file using Windows associations (normally applications register extensions when they are installed. Windows uses these registered extensions to determine what application should be opened to edit each extension).
 - Open the file using the 3D-FTP Text Editor
 - Open the file using a selected application (user can select any application name)
 - Execute the file

In other words, 3D-FTP looks through each rule to see if the rule *Filename Mask* matches the filename the user is going to *View* or *Edit*. And when a match is found, it takes proper action. For example, the rules could say:

When user wants to View *.txt file -> Open file with Notepad
When user wants to View *.html file -> Open file with Internet Explorer
When user wants to Edit *.html file -> Open file with 3D-FTP Text Editor
When user wants to Edit *.doc file -> Open file with Word
When user wants to Edit *.psd file -> Open file with Photoshop

If none of the rules matches the filename, then default rules are used. If there is more than one matching rule, the first rule found is used.

Filename Mask Examples

The filename mask is one or more wildcard expressions separated with semicolons (;). For example:

Filename Mask	Matches
*.txt	All filenames with .txt extension
*.doc	All filenames with .doc extension
.htm	All filenames with .htm .html .htmlx (etc.) extensions
*.lo?	All filenames with .log .lox .loa .loo (etc.) extensions
readme;read.*;*.txt	Filenames like Readme, read.txt, read.log, read.me, filename1.txt, sample2.txt (etc.)

All masks are case insensitive.

Wildcard characters

- * character matches zero or more characters
- ? character matches one character

NOTICE! The "?" character does **not** match zero characters, so *.htm? does **not** match .html extension.

6.4 General Settings - Mode Tab

Automatic ASCII Mode Settings

In FTP file transfers, all text, HTML and script files must be transferred in ASCII-mode, and all executables, images and zip files, etc., must be transferred in BINARY-mode. By default, 3D-FTP uses an Auto-mode, where it uses this list to determine which mode to use. This list contains all filename extensions (or filename masks) that need to be transferred in ASCII-mode, and files NOT matching any criteria in the list are transferred in BINARY-mode.

Keep Alive

Keep Alive Commands and Delay

FTP Servers are normally configured so that they disconnect all idle (=non-active) clients after a certain idle period (like 60 seconds or 5 minutes). 3D-FTP fools these servers with its *Keep Alive* feature by sending a dummy command every 60th second (this is user configurable), effectively making the Client look active. You can change the set of the commands (separated with semicolon) that are sent to the server. You can also change the delay between each command.

Reconnect automatically

Some servers cannot be fooled by Keep Alive-commands, but they disconnect all clients that have not made an actual file transfer within idle-period. You cannot prevent these servers from disconnecting, but automatic reconnect feature commands 3D-FTP to reconnect to server if its been disconnected by server for any reason.

If auto-reconnect is turned off, you can select Reconnect-command from Site-menu (or press Ctrl-R

hot key) to reconnect after being kicked out by server.

FTP Server LIST Command

By default, 3D-FTP sends a LIST command to the FTP Server to get the remote file listing. Some servers do not return a full list, but require some extra parameters to return the full listing. The most-used custom command is *LIST -al*. With this command, many servers return the full listing, including hidden files. These commands are non-standard, but you can safely start experimenting with the *LIST-al* command if your FTP Server does not display hidden files. You can get more information about custom commands from your FTP Server administrator.

6.5 General Settings - Queue Tab

Enable Clipboard Monitoring

The *Enable Clipboard Monitoring* setting lets you monitor the clipboard for FTP URLs and add them automatically to your queue (the FTP URL is a download link on the web page). To use 3D-FTP to download the linked file instead of the browser, select the *Copy Shortcut* command from your Internet Explorer browser right-click menu. This action copies the FTP URL to the clipboard, where 3D-FTP detects it and adds a download request to the queue. By using 3D-FTP for downloading, you get the benefit of being able to resume interrupted transfers.

Keep Files in Queue During Transfer

When selected, this setting ensures no files are removed from the queue until all files in the queue have been transferred.

Enable Resume Dialog Timing. Show for NN Seconds

When selected, the *Resume Dialog* setting is shown only for NN seconds. If the user does not select any of the presented options within the specified time frame, *Resume* (if target file is smaller) or *Skip* is selected automatically. If you deselect this option, *Resume Dialog* stays open until you select one of the options.

Autostart File Transfers

When selected, this setting starts the file transfer automatically when files are added to queue. This setting applies to all files added by drag'n drop operation, clipboard monitoring or by the *Add URL* command. If unselected, you must click remove *GO* button to start the transfer.

NOTICE: If you drag'n drop a file to the local or remote file list, the transfer is always started automatically. This setting applies only to drag-operations when the file is dropped to the queue.

AutoScroll Queue

When selected, this setting keeps the files being transferred always visible in the queue by automatically scrolling the queue contents.

Sticky queue

When selected, this setting saves the queue contents on program exit and restores it at the next program start up.

Remove Files from Queue

When selected, this setting defines the action after the file in the queue is transferred:

- After successful transfer - Removes item from the queue ONLY if the transfer was successful. So all files with transfer errors stay in queue, and it is easy to spot unsuccessful transfers.
- Always after transfer - Removes item from the queue whether transfer was successful or not.
- Only manually: Never remove items from queue automatically. You need to click Clear-command to empty queue.

You can also change this option per file basis by selecting Item Properties-command from queue right-click menu.

6.6 General Settings - Firewall Tab

These settings are usually only needed when accessing the FTP Server through corporate or personal proxy- or firewall server. By default these settings are used for all sites, but you can override them by modifying the firewall settings in Site Manager separately for each site.

FTP Proxy/Firewall Settings

Use Passive Transfer (PASV mode ON)

By default, this settings is turned on. This helps software to make connection when Windows firewall is in use. It also helps to make connections, when other firewall configurations are in use. If you have no problems on connecting, but cannot see the remote file listing, try changing passive transfer mode setting.

Use Proxy/Firewall Server for FTP Connections

In corporate environments special proxy or firewall servers normally monitor all Internet connections. These servers limit the outgoing connections made to the servers outside the company and also restrict the incoming, potentially harmful connections.

Proxy/Firewall servers can be totally transparent, meaning that no special settings are needed here to make connections. But if this is not the case, you need to enable proxy/firewall use and enter proper connection parameters. Notice that you cannot guess these parameters, but you need to consult your network administrator for proper values. Tell administrator that you are going to perform FTP file transfer and need firewall login parameters for that.

Try to resolve host names locally

If you are using SOCKS v4 firewall, select this options to resolve Internet domain names to IP addresses locally, as SOCKS v4 server cannot perform resolving.

HTTP Proxy/Firewall Settings

If HTTP transfers are monitored by proxy or firewall server, enter connect parameters here. Again, consult you network administrator for more info.

6.7 General Settings - Advanced Tab

Default Advanced Settings

By default, these settings are used for all sites, but you can override them by modifying the advanced

settings in Site Manager separately for each site.

Connect Timeout

Number of seconds the 3D-FTP will wait for server to respond when making the connection.

Number of Retries (connect)

Number of retries before giving up the connection attempt

Retry Delay (connect)

Number of seconds to wait between connection attempts.

Transfer Timeout

If there is no data transferred in NN seconds, tries to restart and resume the transfer.

Number of Retries (transfer)

Number of retries before giving up the transfer

Retry Delay (transfer)

Number of seconds to wait between transfer attempts.

Enable Cache. Cache remote folders for N days

Cache is special local storage for remote file listings. This means that instead of requesting file listing from the remote server every time the folder is changed, the file listing is read only once, and then saved to local storage for later use. This local copy – the cache – speeds up the folder changes dramatically. You'll see the problems of caching when remote server folder contents changes, but due to caching, local cached copy of the contents is shown. And therefore you do not see the current file status, but instead the old one.

But as caching makes folder changes much faster, its use is recommended, and you can here control how long the cached copy of file listing is stored. So if you have setting of 7 days, local cached copy is used for 7 days before it is re-read from the server. You can anytime flush the cache (=force the file listing to be re-read from the server) by selecting Refresh-command from the menu or hitting F5-key. The cache is re-read automatically after each file transfer.

As for other Advanced Settings, you can control this setting per site basis (from Site Manager).

6.8 General Settings - Other Tab

Temporary folder

When you view or edit remote files, they are downloaded to this temporary folder.

Email address

When logging in to the FTP Server as Anonymous user, you need to supply a valid email address as login password. Usually this email address does not need to be your real email address, but you can use the default email address entered here.

Show Site Manager at start up

When selected, the Site Manager window is opened automatically on program start up.

Remember last used folder

When selected, 3D-FTP stores the current local folder on program exit and automatically restores it on next program start up.

Minimize main window to system tray

When selected, program is minimized to the system tray instead of task bar. The system tray is special area in the lower right-hand corner of the task bar, containing small icons.

Keep original file dates

When selected, downloaded files will have the same date than they have in the server. If not selected, downloaded files get current system date.

Use Recycle Bin when deleting

This setting applies only to the local file listing: If selected, deleted files are moved to the Recycle Bin and you can restore them later if you deleted them accidentally. If not selected, files are deleted from the hard disk and cannot be restored later. The latter option saves disk space and makes deletions faster.

Show NN most recently visited sites in main menu

Number between 0 and 9. You can control the number of recent sites listed in the Site-menu. You can disable this feature by entering 0.

Remember file list sort order

When selected, program saves the sort order for local and remote file lists on program exit and restores sorting on program start up. If unselected, file lists are sorted on filename on program start up.

Show raw directory listings in the log-pane

When selected, software displays raw directory listings from the server as-is in the log-pane.

6.9 General Settings - Sounds Tab

The sounds are played on various program events. You can enable sounds for each event type separately by selecting the check box in front of the event type.

You can change the sound file by selecting the ... button and test it by clicking the arrow button. All selected files must be standard WAV files.

6.10 General Settings - Logs Tab

You can log your connection and file transfer actions into the two different log files:

- Session Log - This log file contents are the same as what can be seen in the log pane.
- Transfer Log - This log contains the list of all transferred files and also file transfer errors. This is convenient for tracking web site changes or keeping a record of scheduled transfers.

Session Logs

Display time stamp in session logs

When selected, the date and time are shown next to each log entry in the log window and log pane. The log file contains the date and time stamp, regardless of this option.

Include Info messages in session logs

When selected, informational messages like *Transfer complete*, *Average transfer speed*, etc., are shown/written to the log

Include Client commands in session logs

When selected, commands that Client sends to the server, like *TYPE A*, *LIST*, etc., are shown/written to the log

Include Server response in session logs

When selected, server responses to Client commands like *Access denied*, *Directory created*, etc., are shown/written to the log

Write session logs to file

When selected, the log is written to a file in addition to being displayed on the log window. You can select how often the new log file is started:

Every Day

- A new session log file is started every day, and all actions within that day are written to the same log file.
- Files are named like this:
 - SessionLog 16 July 2008.log
 - SessionLog 17 July 2008.log
 - SessionLog 18 July 2008.log

Every Week

- A new session log file is started every week, and all actions within that week are written to the same log file.
- Files are named like this:
 - SessionLog for Week 25 2008.log
 - SessionLog for Week 26 2008.log
 - SessionLog for Week 27 2008.log

Every Month

- A new session log file is started every month and all actions within that month are written to the same log file.
- Files are named like this:
 - SessionLog for Month Jul 2008.log
 - SessionLog for Month Aug 2008.log
 - SessionLog for Month Sep 2008.log

Transfer Logs**Write transfer logs to file**

When selected, the log is written to a file in addition to being displayed in the log window. You can select how often a new log file is started. The files are named with the same logic as above, with the *TransferLog* prefix.

Log File Folder

Save log files to folder

By default, all log files are written to the *C:\Documents and Settings\All Users\Application Data\3D-FTP\Logs* folder. You can select another folder by clicking the ... *browse* button.

6.11 General Settings - Antivirus Tab

You can command 3D-FTP to invoke your antivirus software to automatically check all downloaded files for viruses. Because the 3D-FTP does not ship with antivirus software, you must have separate antivirus software (like Norton Antivirus, McAfee VirusScan, Panda Antivirus, etc.) installed to utilize this feature.

Here is how this feature works:

1. 3D-FTP downloads all files in the transfer queue
2. After transfer is complete, 3D-FTP invokes your antivirus software separately for each file
3. 3D-FTP passes the downloaded filename as part of the command line when invoking antivirus software
4. 3D-FTP displays a progress bar during the virus scan. You can cancel this operation any time if you prefer. Downloaded files are not removed if you cancel virus scanning, only virus scanning is cancelled.

Antivirus protection

Scan files for viruses after download

Select this check box to turn on antivirus checking. You also must select the antivirus executable location and the command line below to successfully perform the scanning.

Antivirus software settings

Antivirus software executable location

Enter your antivirus software executable location with full pathname. Click the ... button on the right to select the filename from the list. Examples are:

- C:\Program Files\Norton Antivirus\NAVW32.exe
- D:\Antivirus\Scan.exe

This executable is called separately for each downloaded file, so if you have downloaded 100 files, then antivirus software is called 100 times.

Command line for antivirus software

Enter parameters that are passed as part of command line to antivirus software. Use the *%filename* macro as part of the command line. This macro is replaced with the full pathname of each downloaded file when the antivirus software is executed. Examples:

- */noresults /m- /b- "%filename"* (command line for Norton Antivirus software)
- */nodda /nomem /autoexit /uinone "%filename"* (command line McAfee VirusScan)

In the above examples, *%filename* is replaced with the actual filename of the downloaded file, like

"c:\temp\download\setup302.exe" so full expanded command line in first example becomes */noresults /m- /b- "c:\temp\download\setup302.exe"*

The quotes used in the examples above are normally necessary for passing long filenames with spaces properly. Please consult your antivirus software for the proper command line switches needed (use 'command line' search phrase to locate info from your antivirus software online help).

6.12 Hotkeys

Hotkey	Description
F1	Help
F2	Rename file or folder
F3	Synchronize Folders
F4	Start Queue Transfer (Same as pressing the GO-button)
Alt-F4	Exit
F5	Refresh File List (Flushes the cache)
F6	Show Total Size
F7	Print Directory Listing
F8	Add selected files/folders to queue
F9	Connect
F10	Show File or Folder Properties
Ctrl-A	Select All
Ctrl-D	Disconnect
Ctrl-E	Edit File
Ctrl-I	Select Theme
Ctrl-M	Site Manager
Ctrl-R	Reconnect
Ctrl-S	Stop or Cancel
Ctrl-Q	Quick Connect
Ctrl-U	Upload
Ctrl-W	View File
Ctrl-Y	Download
Del	Delete file(s)
Ins	Create a new folder
BackSpace	Change folder up one level (CD ..)
Enter	Go into selected folder

Mouse shortcut: You can "Sort by extension" by Shift-clicking the filename column header (i.e., keep

the Shift-key down when clicking the column header).

6.13 Command Line Parameters

Command line	Explanation
/S:mysite	Connect to <i>mysite</i> on program start up. The <i>mysite</i> must be a site name defined in the Site Manager
/R:"/upload/more"	Change to this remote folder on connect
/L:"c:\temp"	Change to this local folder on connect
/Q:filename.que	Load this queue on program start up. If the /Q parameter is not specified, the program tries to load the <i>StickyQueue.que</i> file that was saved on the last program exit. This implements the StickyQueue-feature.
/M	Open Site Manager file in Master Mode when using the shared Site Manager file. The file is opened as read-write.

Part VII

License Agreement



7 License Agreement

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If the Software is licensed for or on behalf of the United States of America, its agencies and/or instrumentalities ("U.S. Government") pursuant to solicitations issued on or after December 1, 1995, the Software is provided with the commercial rights and restrictions described elsewhere herein. If the Software is licensed for or on behalf of the U.S. Government pursuant to solicitations issued prior to December 1, 1995, the Software is provided with RESTRICTED RIGHTS as provided for in FAR, 48 CFR 52.227-14 (JUNE 1987) or DFAR, 48 CFR 252.227-7013 (OCT 1988), as applicable.

GENERAL

The license will terminate immediately without notice if you are in breach of any of its terms and conditions. You shall not be entitled to a refund from SiteDesigner or any of its resellers as a result of termination. The terms and conditions concerning confidentiality and restrictions on use shall continue in force even after any termination.

SiteDesigner may revise these Terms at any time and the revised terms shall automatically apply to the corresponding versions of the Software distributed with the revised terms. If any part of these Terms is found void and unenforceable, it will not affect the validity of rest of the Terms, which shall remain valid and enforceable according to its terms. In case of controversy or inconsistency between translations of these Terms to other languages, the English version issued by SiteDesigner shall prevail.

These Terms shall be governed under the Laws of Finland without regard to conflict of laws rules and principles and without regard to the United Nations Convention of Contracts for the International Sales of Goods. The courts of Finland shall have the exclusive jurisdiction and venue to adjudicate any dispute arising out of these Terms.

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